

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-40 (canceled)

1 Claim 41 (original): A method for detecting target entities in  
2 solution, the method comprising:  
3 a) exposing a sensor coated with glycopolymer substrate to  
4 a solution containing targets with target-associated  
5 molecular patterns on their surfaces;  
6 b) allowing specific binding between the target-associated  
7 molecular patterns on the surface of the target and  
8 glycopolymers of the sensor to occur; and  
9 c) identifying specific binding, if any, between the  
10 target-associated molecular patterns on the surfaces of the  
11 targets and the glycopolymers of the sensor.

1 Claim 42 (original): The method of claim 41 wherein the act of  
2 identifying specific binding is based on a colorimetric  
3 reaction.

1 Claim 43 (original): The method of claim 42 wherein the  
2 colorimetric reaction is quantifiable by spectrophotometric  
3 analysis.

1 Claim 44 (original): The method of claim 41 wherein the sensor  
2 is an ELISA glycoconjugate sensor.

1 Claim 45 (original): The method of claim 41 wherein the  
2 specific binding is a carbohydrate interaction with the target.

Claims 46-65 (canceled)

1 Claim 66 (original): The method of claim 41 further  
2 comprising:  
3 d) generating a binding curve from identified specific  
4 bindings, if any, between the target-associated molecular  
5 patterns on the surface of the target and the  
6 glycopolymers of the sensor; and  
7 e) identifying the target using the generated binding  
8 curve.

1 Claim 67 (original): The method of claim 41 wherein the sensor  
2 coated with glycopolymer substrate includes a number of areas,  
3 each area having a glycopolymer with a different concentration  
4 of glycoconjugates.

1 Claim 68 (original): The method of claim 41 wherein the sensor  
2 coated with glycopolymer substrate includes a number of areas,  
3 each area having a glycopolymer with a serially diluted  
4 concentration of glycoconjugates.

Claims 69 and 70 (canceled)

1 Claim 71 (original): The method of claim 41 wherein the  
2 target-associated molecular patterns are glycoconjugates.

Claims 72 and 73 (canceled)